CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yalahanka Satalite Town Sub Division,
BBMP.

29th July 2015

Dear Sir,

Sub: Reconstruction of Masonary story water drain and covering slab in GKVK layout to Allalasandra in ward no 04.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS
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TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonry storm water drain and covering slab in GKVK layout to Allalasandra in ward no 04.
Name of Agency	M/s. Technical Manager (West)
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	01/07/2015	29/07/2015	28	8.18	485	21.56	21.93
2					8.19	495	22.00	
3					8.20	500	22.22	

Note:
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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS

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#5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

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T-2654

To,

Assistant Executive Engineer
Yalahanka Satalite Town Sub Division,
BBMP.

03rd July 2015

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials samples supplied by you, for the work of **'Reconstruction of Masonary story water drain and covering slab in GKVK layout to Allalasandra in ward no 04'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

A.E. W.4

CIVIL TECH LABS
4 S, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES Ref IS:383-1970

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary stony water drain and covering slab in OSVK layout to Allalasandra in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015
Specific Gravity	2.56

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	100	100	100	100	100	II
	4.75	98.9	90-100	90-100	90-100	95-100	
	2.36	88.2	60-95	75-100	85-100	95-100	
	1.18	76.3	30-70	55-90	75-100	90-100	
	0.6	48.6	15-34	35-59	60-79	80-100	
	0.3	25.7	5-20	8-30	12-40	15-50	
	0.15	7.8	0-10	0-10	0-10	0-15	

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AE. No-4
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬ.ಬ.ಪಾ.ಕ. ಬೆಂಗಳೂರು-106

Lab Incharge
Civil Tech labs

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Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Satalite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary story water drain and covering slab in GKVK layout in Allalesandra in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015
Specific Gravity	2.66
Water Absorption in %	0.28

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	100	100	Satisfies the requirement
40	98.8	95-100	
20	55.3	30-70	
10	26.2	10-35	
4.75	3.5	0-5	

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Khushboo
Lab Incharge
Civil Tech Labs

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AE 3.4

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ಬ.ಬ.ಎಂ.ಪ. ಬೆಂಗಳೂರು-೧೬

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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yalahanka Satalite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary story water drain and covering slab in GKVK layout in Allalasandra in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015
Specific Gravity	2.63
Water Absorption in %	0.32

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	100	100	Satisfies the requirement
20	98.9	95-100	
10	46.3	25-55	
4.75	8.8	0-10	

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ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

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Lab Incharge
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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary stone water drain and covering Slab in GKVK layout in Allalasandra in ward no 04
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	49	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	488	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	5	mm	Not More Than 10 mm	Satisfies Requirement

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Lab Incharge
Civil Tech Labs

AE. D.A.

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 10mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary story water drain and covering slab in GKVK layout to Allalasandra in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.9	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	418	415	Satisfactory
6	U T S (N/Sq.mm)	522	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

AE U-4

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BAR 12 mm

Name & Address of the Customer	AEE, Yelahanka Satellite Town Sub Division, BBMP
Name of Work	Reconstruction of Masonary story water drain and covering slab in GKVK layout to Allalasandra in ward no 04.
Name of the Agency	M/s. Technical Manager (West)
Date of Testing	03/07/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	18.2	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

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AE. W.4

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Lab Incharge
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